

Development of a Web-Based Mapping Application for Environmental Assessments

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This presentation will describe the development of NEPAssist, a custom Web-based spatial analysis tool that facilitates the U.S. Environmental Protection Agency's (U.S. EPA) environmental review process. The application integrates scores of databases that are hitherto hosted separately within the U.S. EPA and non-U.S. EPA servers, provides a preliminary spatial assessment of a project's potential environmental impacts, and serves as a tool for a new system of administrative accountability within the U.S. EPA. The National Environmental Policy Act (NEPA) requires federal agencies to prepare an Environmental Impact Statement (EIS). NEPAssist contributes to a streamlined review process that potentially raises important environmental issues at the earliest stages of project development. The application includes extensive ArcIMS and Oracle Spatial customization and required an in-depth examination of the structure of the U.S. EPA's national, regional, and external databases.

Special Needs

Internet connection